

AMENDMENTS TO THE SPECIFICATION

Please **insert** the following new paragraph at page 3, line 24 of the specification:

In an embodiment of the invention, the culture is incubated at about 30°C to about 40°C.

Please **insert** the following new paragraphs at page 5, line 2 of the specification:

In another embodiment of the invention, the method for producing dendritic Langerhans cells comprises culturing cells in a medium that omits an exogenous cytokine. The cytokine may be granulocyte macrophage colony stimulating factor or interleukin-4.

In an embodiment of the invention, the medium contains about at least about 2% fetal calf serum. In an alternative embodiment, the medium contains about 10% fetal calf serum.

In another embodiment of the invention, the cells are cultured for a period of about 2 to about 8 days.

In another embodiment of the invention, human platelets are added to the medium to produce human dendritic Langerhans cells from human monocyte or bone marrow cells. Alternatively, the platelets and the peripheral blood monocytes and/or bone marrow cells are selected from phylogenetically close species. For example, rat platelet cells may be added to a medium containing mice blood cells.